

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P367005

Luminaire Tested: **PMM-SA1D-727-U-SLL-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1D-727-U-SLL-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4183 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

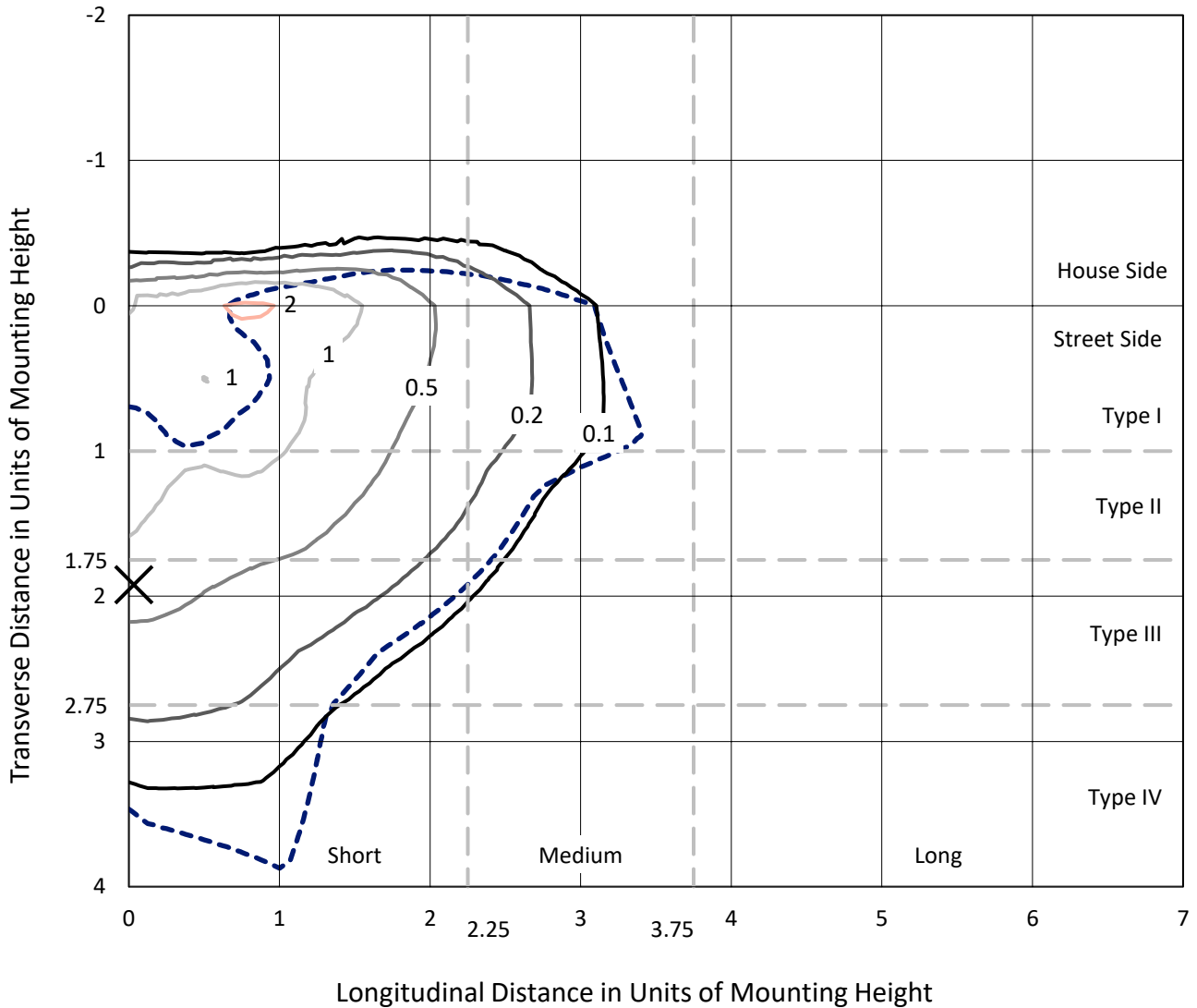
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

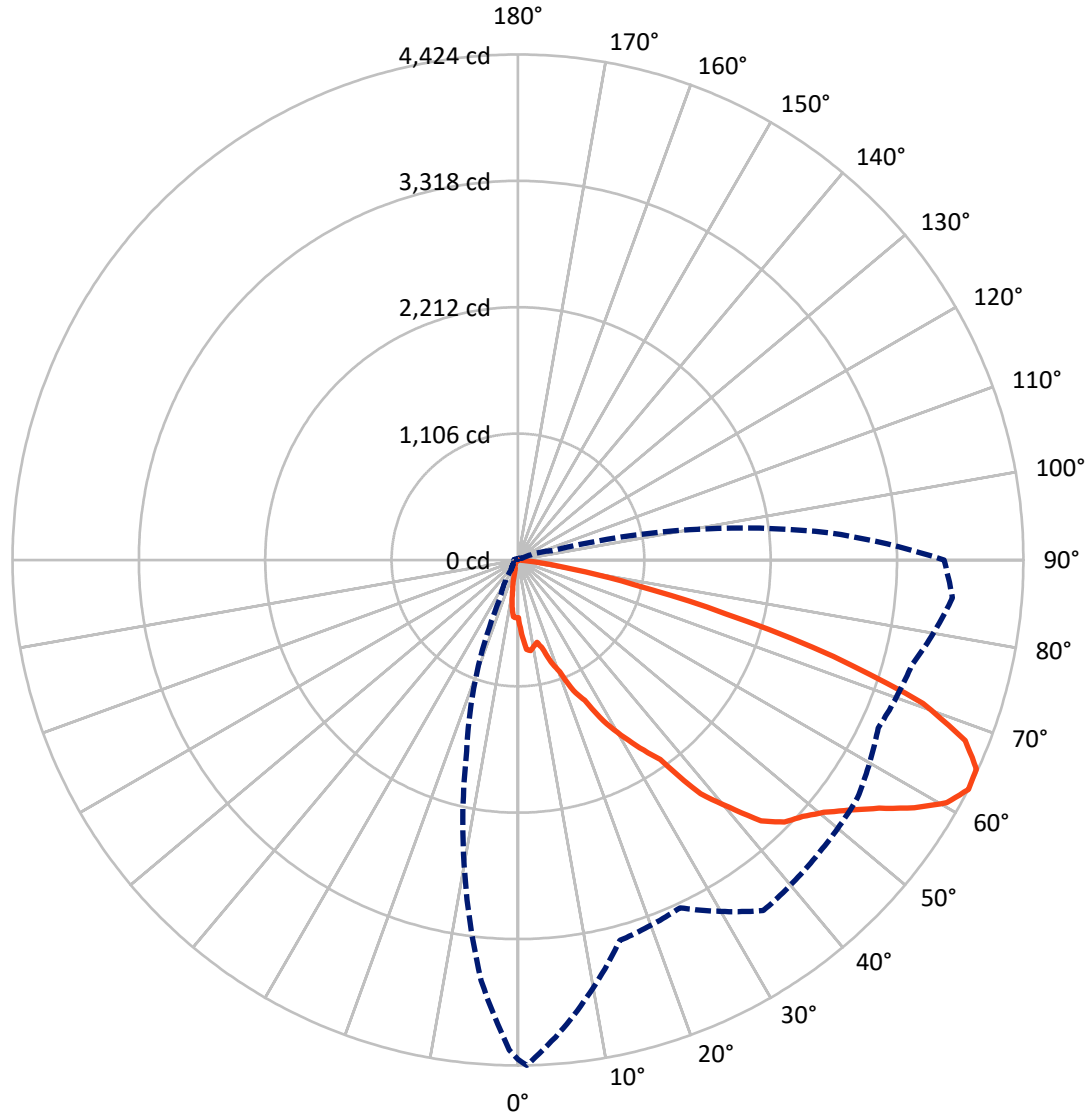
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 1-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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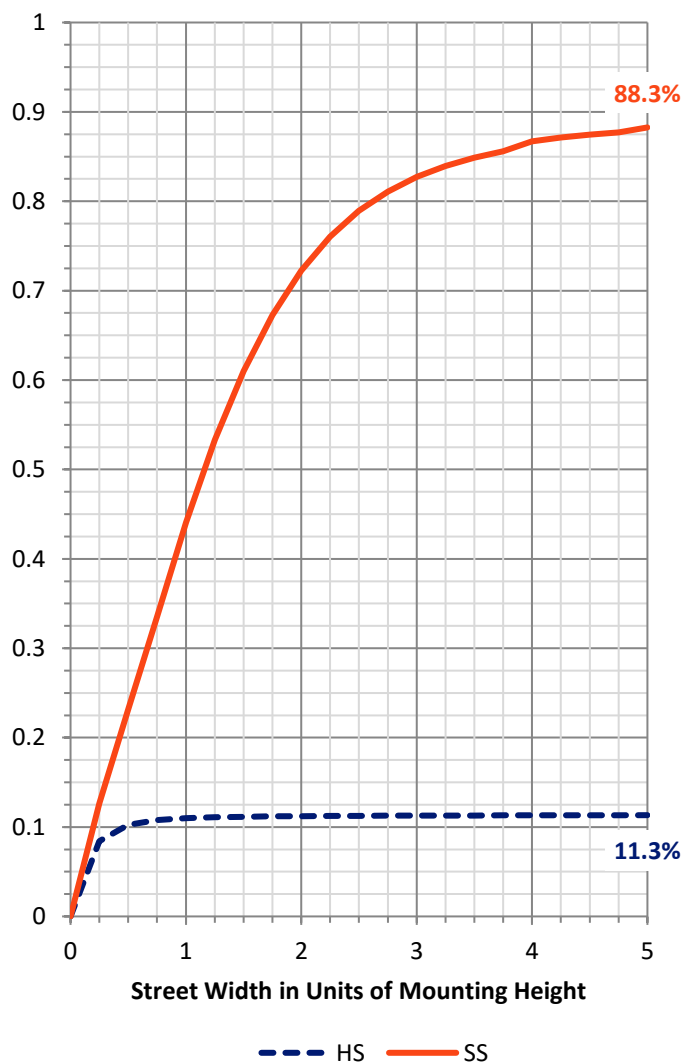
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	478.3	0.0	478.3
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	3704.7	0.0	3704.7
	% Fixture	88.6	0.0	88.6
Total	Lumens	4183.0	0.0	4183.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.3
10°-20°	147.1	3.5
20°-30°	237.7	5.7
30°-40°	398.2	9.5
40°-50°	651.1	15.6
50°-60°	963.8	23.0
60°-70°	1106.5	26.5
70°-80°	547.2	13.1
80°-90°	75.1	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4183.0	100.0
0°-180°	4183.0	100.0

Coefficient of Utilization

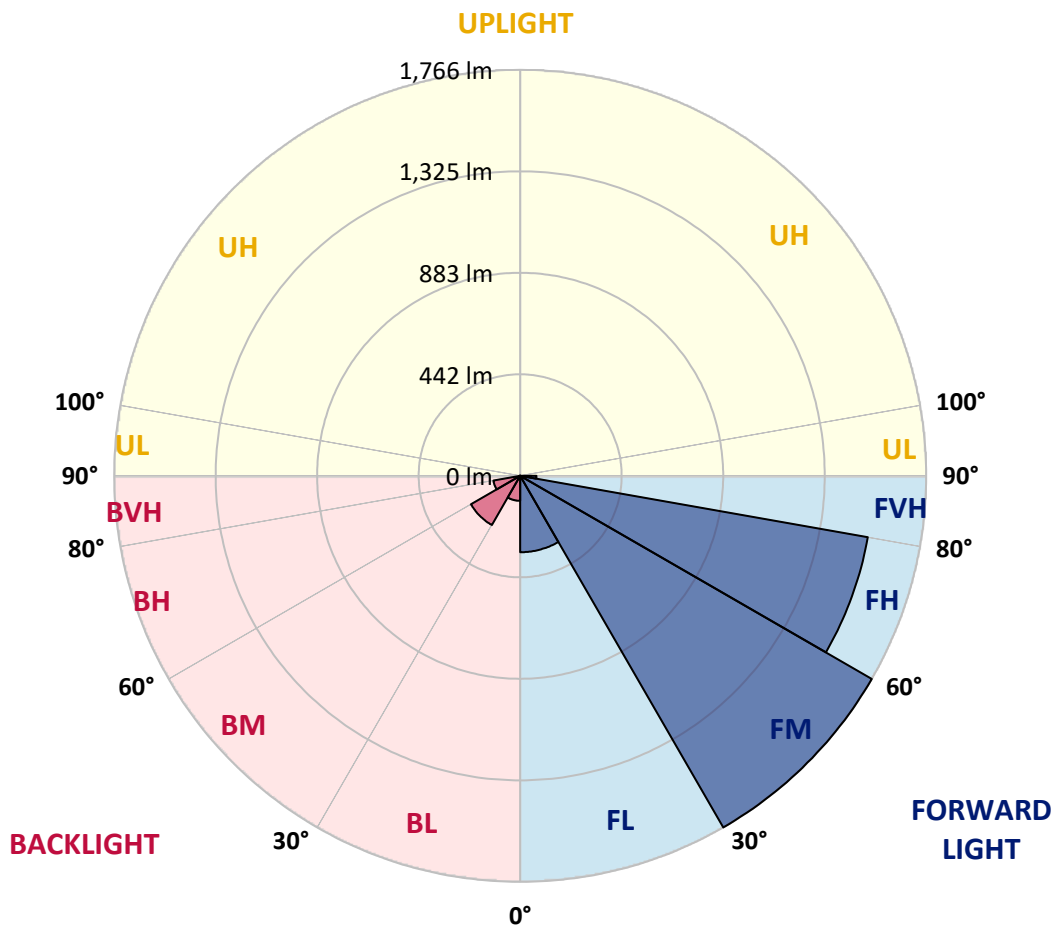


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.3	7.9			
FM (30°-60°)	1766.0	42.2			
FH (60°-80°)	1535.4	36.7			G1/1800
FVH (80°-90°)	71.0	1.7			G1/100
BL (0°-30°)	108.8	2.6	B0/110		
BM (30°-60°)	247.1	5.9	B1/1000		
BH (60°-80°)	118.3	2.8	B1/500		G1/500
BVH (80°-90°)	4.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	649.8	652.9	638.3	636.4	602.6	644.8	646.0	651.0	620.0	559.9	643.8
5°	777.6	786.1	774.9	824.8	839.1	869.8	813.3	863.8	842.4	848.4	860.5
7.5°	792.8	801.6	825.2	908.7	985.7	966.3	960.1	979.2	977.5	933.4	955.4
10°	761.1	768.5	807.8	959.7	993.3	1080.0	1101.3	1057.4	1039.5	943.0	900.8
12.5°	726.5	738.9	789.0	971.1	1071.9	1159.7	1229.5	1167.0	1107.7	1005.0	966.3
15°	792.8	799.7	878.4	994.9	1083.1	1143.7	1200.9	1180.2	1171.1	1097.2	966.3
17.5°	922.7	938.9	995.9	1053.3	1123.0	1159.4	1145.8	1139.4	1116.3	1232.4	1097.0
20°	1015.2	1045.5	1120.1	1144.9	1089.6	1123.7	1115.3	1109.6	1091.5	1307.4	1247.1
22.5°	1215.4	1243.3	1244.8	1253.6	1124.9	1070.5	1056.7	1058.4	1140.6	1329.9	1434.0
25°	1351.8	1361.3	1436.6	1373.7	1221.2	1086.7	1034.0	1057.6	1176.1	1491.0	1609.7
27.5°	1574.9	1597.5	1644.5	1431.4	1278.8	1076.5	992.6	1078.4	1269.5	1544.4	1804.9
30°	1756.8	1778.5	1854.0	1510.3	1328.9	1127.2	1010.4	1120.1	1327.7	1654.3	1980.4
32.5°	1904.3	1960.3	2046.1	1632.1	1327.0	1185.6	1101.7	1106.3	1399.2	1796.6	2153.9
35°	2092.9	2145.1	2205.4	1716.0	1413.8	1204.5	1128.7	1242.1	1505.5	1945.3	2387.5
37.5°	2517.9	2596.8	2477.6	1927.4	1514.8	1374.7	1235.0	1325.8	1616.8	2097.2	2708.6
40°	2777.2	2843.7	2728.6	2035.4	1689.8	1460.5	1424.7	1471.2	1725.8	2175.6	2950.5
42.5°	3032.8	3120.5	2928.1	2198.0	1855.9	1702.7	1604.9	1642.4	1883.3	2364.8	3222.7
45°	3217.7	3272.1	2971.3	2283.1	2084.3	1978.7	1913.6	1857.8	2103.1	2486.4	3398.4
47.5°	3310.7	3354.1	3056.4	2310.0	2220.2	2270.7	2413.2	2296.7	2297.6	2574.4	3493.0
50°	3439.4	3469.7	3104.0	2342.2	2367.7	2725.7	2797.7	2549.6	2519.8	2662.6	3508.5
52.5°	3620.3	3635.1	3196.5	2427.1	2588.7	3082.1	3108.1	3007.7	2742.2	2826.6	3542.9
55°	3860.8	3834.9	3361.7	2605.4	2819.2	3343.1	3377.9	3290.4	3021.8	2990.3	3649.2
57.5°	4120.2	4090.4	3606.5	2856.6	3069.2	3542.6	3563.4	3570.3	3207.5	3135.3	3829.9
60°	4306.1	4311.6	3914.7	3144.8	3224.6	3733.6	3692.1	3629.1	3394.8	3347.6	3917.8
62.5°	4371.2	4423.9	4154.7	3446.8	3358.6	3745.5	3681.1	3628.0	3478.7	3566.7	3817.0
65°	4318.0	4410.0	4210.5	3712.1	3439.6	3596.0	3529.0	3494.9	3476.1	3656.1	3593.9
67.5°	4106.8	4222.0	4050.8	3714.5	3145.0	3061.8	3141.0	3249.0	3186.5	3582.0	3281.4
70°	3633.7	3759.8	3680.2	3496.6	2619.9	2408.9	2496.2	2659.5	2615.4	3185.8	2821.6
72.5°	2726.2	2888.3	2904.0	3018.7	2079.8	1813.0	1825.7	1821.1	1897.2	2568.9	2201.8
75°	1751.3	1877.4	2047.8	2435.9	1579.9	1323.7	1202.6	1173.0	1314.8	2007.3	1576.3
77.5°	1016.6	1031.7	1110.3	1837.8	1131.5	953.7	871.2	913.4	963.0	1400.9	1044.8
80°	486.3	493.9	526.3	945.6	786.1	825.5	761.8	809.3	661.2	805.2	592.8
82.5°	154.2	155.9	161.4	464.6	488.2	546.8	350.4	469.8	408.8	486.7	394.7
85°	25.7	43.9	54.1	134.2	275.6	184.5	76.0	167.6	228.1	307.0	179.3
87.5°	0.0	0.0	0.0	2.4	22.4	10.5	1.7	9.5	35.0	68.4	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	668.1	684.6	622.6	567.1	581.1	569.9	553.0	524.2	457.4	506.5	503.2
5°	859.8	829.3	745.4	706.3	658.6	585.9	577.1	521.3	496.8	500.8	497.2
7.5°	926.5	871.9	797.8	680.1	568.3	463.4	431.2	394.7	387.3	403.1	413.3
10°	874.1	816.2	751.3	605.0	518.9	443.1	363.7	312.7	285.1	281.8	284.6
12.5°	898.2	835.7	702.2	590.2	500.3	431.7	343.0	266.0	205.9	210.5	198.6
15°	914.9	843.1	690.6	559.2	462.0	370.2	263.4	186.4	137.3	123.0	114.4
17.5°	1012.8	910.3	675.8	523.5	408.3	288.2	165.4	108.0	92.0	87.0	83.0
20°	1138.7	993.0	675.5	485.8	329.2	180.2	103.2	78.2	74.4	77.2	74.1
22.5°	1285.0	1103.2	711.5	438.8	236.2	113.7	80.3	69.4	65.6	67.9	68.2
25°	1432.4	1268.4	740.8	394.3	164.5	87.2	71.5	63.9	59.6	61.7	60.5
27.5°	1698.4	1405.2	734.2	337.3	121.1	76.8	66.5	59.8	53.4	56.7	56.5
30°	1872.4	1646.6	760.2	257.4	96.1	67.2	62.0	54.6	47.7	51.5	51.2
32.5°	2080.5	1750.3	788.3	197.6	79.9	63.6	55.8	48.6	44.6	47.0	46.5
35°	2314.3	1955.3	736.6	164.5	69.4	57.4	49.3	43.9	40.3	41.5	41.5
37.5°	2727.4	2126.7	705.6	134.0	64.6	52.0	46.2	39.6	37.4	37.4	38.6
40°	2962.0	2388.4	613.1	106.1	66.0	47.9	43.1	36.2	33.4	33.1	34.3
42.5°	3267.1	2539.3	555.2	85.8	59.8	46.7	39.6	32.9	29.6	29.3	30.5
45°	3448.0	2623.7	473.6	67.5	53.6	54.3	36.7	30.3	25.3	24.3	26.5
47.5°	3562.2	2735.5	427.4	53.6	46.7	54.1	35.8	26.2	21.2	20.0	21.9
50°	3620.1	2790.8	418.3	46.0	40.5	48.4	41.0	21.9	18.1	16.4	18.1
52.5°	3680.4	2880.7	421.7	42.4	35.8	38.9	38.9	18.8	16.0	14.1	15.3
55°	3802.2	3013.4	414.3	40.3	32.9	29.6	25.0	16.7	14.5	12.4	13.6
57.5°	3951.9	3108.8	414.3	38.4	30.5	25.3	20.0	15.5	13.3	10.7	11.7
60°	3923.5	3008.4	393.8	36.5	28.6	23.6	18.1	14.3	12.4	9.8	10.5
62.5°	3728.8	2735.5	318.9	33.6	26.9	22.4	16.4	13.6	11.7	8.6	9.3
65°	3500.0	2445.7	221.7	30.5	25.0	20.3	14.8	12.9	10.7	7.6	8.1
67.5°	3224.4	2100.3	123.0	27.4	23.1	17.6	13.6	12.6	10.2	6.9	7.4
70°	2746.2	1585.6	66.0	25.0	21.7	16.2	12.9	12.6	10.2	6.7	6.9
72.5°	2061.6	998.5	38.6	22.9	19.8	15.0	12.2	12.9	10.0	6.4	6.4
75°	1402.8	606.2	27.7	19.5	17.6	12.6	11.7	12.4	10.2	6.4	6.0
77.5°	953.7	426.0	22.6	17.6	16.0	11.2	11.9	12.4	10.2	5.2	4.1
80°	595.4	219.8	17.2	14.1	13.8	9.8	11.9	10.7	6.7	1.2	0.0
82.5°	416.4	81.8	10.0	10.7	10.7	6.9	9.3	7.6	3.8	0.0	0.0
85°	174.7	14.1	5.5	7.6	6.7	4.1	7.4	5.7	2.4	0.0	0.0
87.5°	3.1	0.0	2.1	4.5	4.8	2.4	3.8	2.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	518.9	496.3	448.6	471.5	469.1	479.6	480.5	456.2	508.7	541.1	545.9
5°	497.7	482.5	479.8	466.7	463.4	482.7	472.2	471.5	496.8	533.7	533.9
7.5°	413.6	401.9	407.4	392.1	352.8	355.2	358.7	373.8	395.5	419.8	428.6
10°	283.9	314.2	292.0	290.1	286.0	273.4	263.4	271.3	299.4	321.8	330.1
12.5°	202.6	207.4	221.0	216.0	222.9	212.1	208.1	232.6	260.1	282.9	299.4
15°	118.5	126.6	134.7	151.8	158.8	156.6	169.0	189.5	211.7	222.2	242.4
17.5°	83.4	84.1	85.8	104.4	116.6	121.3	128.7	144.2	153.3	158.0	166.4
20°	72.9	70.8	67.9	78.4	89.9	95.8	93.7	105.8	113.2	118.0	124.0
22.5°	66.0	62.5	60.8	64.4	73.2	78.4	79.4	86.5	97.7	101.1	103.0
25°	59.6	57.2	56.0	57.9	62.7	67.7	68.6	77.9	88.0	89.4	93.2
27.5°	55.3	50.8	51.2	52.7	54.8	61.0	62.9	68.2	82.7	84.4	85.6
30°	50.8	46.0	47.4	48.9	47.9	55.5	58.4	64.4	78.4	81.0	82.5
32.5°	46.2	42.7	42.4	43.9	45.5	49.6	55.8	62.7	75.6	79.1	82.7
35°	41.2	38.4	38.9	39.1	41.2	46.5	51.0	54.6	63.4	65.3	66.5
37.5°	37.7	35.3	34.8	37.2	39.3	43.4	45.1	46.7	58.4	62.7	62.9
40°	33.4	31.9	31.9	33.6	38.4	37.9	40.0	45.3	56.5	61.0	61.5
42.5°	30.3	28.4	28.8	30.5	33.8	31.5	35.8	43.4	55.8	60.3	60.1
45°	25.5	25.0	26.0	27.4	28.8	26.7	33.4	41.5	53.4	59.4	57.7
47.5°	21.2	21.2	22.4	23.8	23.1	23.8	30.3	38.9	52.0	57.4	56.3
50°	17.4	17.6	18.8	21.2	19.1	21.0	27.2	36.2	49.6	55.5	54.6
52.5°	14.8	15.0	15.7	17.4	16.4	19.1	25.0	33.6	47.2	52.2	51.7
55°	12.9	13.3	13.3	14.3	14.8	17.9	22.6	31.0	43.6	49.1	48.2
57.5°	11.4	11.9	11.7	12.4	12.9	15.7	20.3	28.1	40.0	44.6	43.1
60°	10.2	10.7	10.5	11.4	11.2	13.6	17.6	25.0	36.2	39.8	38.6
62.5°	9.1	9.5	9.5	10.0	10.2	11.4	15.3	22.2	32.4	35.3	34.3
65°	8.1	8.6	8.8	8.6	9.1	9.8	12.9	20.0	28.1	31.0	29.6
67.5°	7.4	7.9	8.3	7.4	7.9	8.1	11.0	17.9	24.8	27.2	26.0
70°	7.2	7.4	7.4	6.4	6.2	6.4	9.5	15.3	21.7	24.1	22.4
72.5°	6.7	6.9	6.7	5.2	4.5	5.0	8.1	12.9	18.4	20.3	18.8
75°	6.2	6.4	6.2	4.3	2.9	3.6	6.7	11.2	15.7	16.7	16.0
77.5°	5.2	5.7	5.7	3.1	1.0	2.1	5.0	9.1	13.1	13.1	13.3
80°	0.5	1.4	2.4	1.7	0.0	0.2	1.7	4.8	8.3	8.1	8.8
82.5°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	2.9	2.1	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	534.7	527.3	536.6	564.9	553.5	555.6	548.0	595.0	648.1	649.8
5°	534.4	527.7	541.6	540.4	573.0	608.6	642.9	698.4	777.1	777.6
7.5°	424.5	464.1	474.4	471.3	513.2	562.1	615.0	721.3	785.9	792.8
10°	382.8	400.0	421.0	428.6	446.0	492.5	552.3	672.7	745.1	761.1
12.5°	331.8	386.6	414.5	468.6	478.6	485.3	579.7	684.4	728.5	726.5
15°	274.8	322.5	366.6	432.6	459.8	529.9	604.3	741.3	767.5	792.8
17.5°	194.5	230.5	298.2	367.6	450.5	526.8	672.0	843.1	892.7	922.7
20°	130.1	147.5	208.8	300.6	405.7	481.5	699.6	935.1	989.2	1015.2
22.5°	105.6	113.9	145.6	220.3	346.6	479.4	710.8	1035.5	1180.9	1215.4
25°	93.0	98.7	115.6	163.0	287.7	469.8	772.8	1148.5	1323.9	1351.8
27.5°	81.3	89.9	102.5	134.4	246.7	463.1	804.3	1338.2	1547.5	1574.9
30°	77.7	88.2	100.4	122.5	218.1	437.4	854.3	1509.3	1707.9	1756.8
32.5°	83.9	87.5	93.4	112.3	195.9	410.2	942.3	1713.9	1840.7	1904.3
35°	66.5	72.9	83.4	103.0	186.6	408.8	992.1	1845.4	2053.5	2092.9
37.5°	65.1	71.0	84.6	100.4	197.8	419.8	1066.0	2115.0	2437.3	2517.9
40°	63.2	70.8	83.7	99.2	197.8	430.5	1113.2	2330.8	2695.5	2777.2
42.5°	62.5	72.2	83.4	104.2	191.6	436.5	1184.4	2546.0	2968.2	3032.8
45°	62.0	73.7	84.1	110.1	190.2	456.0	1224.7	2650.6	3143.6	3217.7
47.5°	60.8	73.7	93.9	106.6	182.4	454.1	1276.9	2805.8	3248.2	3310.7
50°	59.8	74.1	106.3	99.9	183.5	442.4	1347.7	2951.5	3394.8	3439.4
52.5°	57.7	75.8	104.4	90.6	180.0	441.2	1453.3	3158.6	3587.7	3620.3
55°	52.9	73.7	94.4	79.1	167.3	427.6	1593.2	3428.0	3855.1	3860.8
57.5°	48.6	68.4	78.9	72.7	140.2	429.3	1713.9	3675.9	4093.5	4120.2
60°	44.3	71.0	61.3	67.7	116.1	398.8	1772.3	3770.7	4267.0	4306.1
62.5°	40.3	65.6	52.2	62.2	103.5	370.4	1731.7	3694.5	4289.2	4371.2
65°	35.8	45.5	44.1	55.8	104.6	330.6	1596.3	3471.1	4205.0	4318.0
67.5°	30.7	35.8	38.9	48.2	112.0	296.5	1364.2	3112.6	3978.8	4106.8
70°	26.9	32.2	33.8	42.2	116.6	274.1	1076.5	2615.1	3515.4	3633.7
72.5°	22.4	29.8	30.3	36.9	112.3	252.0	767.1	1877.4	2669.5	2726.2
75°	19.3	24.8	27.4	31.0	94.4	188.1	422.6	1162.0	1687.9	1751.3
77.5°	17.4	18.8	20.7	21.5	40.0	98.0	145.4	716.5	945.1	1016.6
80°	13.3	14.8	14.3	14.8	21.9	33.8	55.3	335.9	446.5	486.3
82.5°	4.3	7.2	7.9	6.7	14.3	16.7	16.0	116.1	145.2	154.2
85°	1.0	2.6	1.2	0.0	4.8	8.6	1.2	17.6	34.8	25.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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